


Electronic Filing System (EFS) Data
Electronic Patent Application Submission
USPTO Use Only

EFS ID: 18133
Application ID: 10065152
Title of Invention: Optical Sensor and optical
process for the characterization
of a chemical and/or bio-
chemical substance
First Named Inventor: Kurt TIEFENTHALER
Domestic/Foreign Application: Domestic Application
Filing Date: null
Effective Receipt Date: 2002-09-22
Submission Type: Utility Patent Filing
Filing Type: new-utility
Confirmation Number: 0
Attorney Docket Number: FREI.P041-2
Digital Certificate Holder: cn=Carl Oppedahl, ou=Registered Attorneys, ou=Patent and
Trademark Office, ou=Department of Commerce, o=U.S.
Government, c=US
Certificate Message Digest: /JrfGZWgsbylyHKo6G+HPw==
Total Fees Authorized: \$904.0
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Postal Code: 80435



TRANSMITTAL FORM

Electronic Version 1.0.3

Stylesheet Version: 1.0

Attorney Docket
Number:FREI.P041 -
2Submission Type: Utility Patent
Filing**Optical Sensor and optical process for
the characterization of a chemical
and/or bio-chemical substance**

First Named Inventor: Kurt TIEFENTHALER

SUBMITTED BY

Name:	Carl Oppedahl
Registration Number:	32,746
Electronic Signature Mark: /s/	Date Signed: 20020921

I certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.

I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Attached Files:

declaration	decl_1_0001.tif
declaration	decl_2_0001.tif
specification	specification.xml

fee-transmittal
bibd-transmittal

epavefee.xml
epaveapds.xml

Attached Image File(s):

decl_1_0001.tif
decl_2_0001.tif

Comments:

Any deficiency in fees may be charged to our deposit account 15-0610.

Attorney Docket No. FREI.P-041us

**DECLARATION FOR UTILITY OR
DESIGN PATENT APPLICATION
(37 CFR 1.63)**

- // Declaration submitted with initial filing
// Declaration submitted after initial filing (surcharge (37 CFR 1.16(e) required)

As a below named inventor, I hereby declare that:

1. My residence, post office address, and citizenship are as stated below next to my name.
2. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**Optical Sensor And Optical Method for Characterizing A Chemical
Or Biological Substance**

the specification of which

- // is attached hereto
or
/x/ was filed on 10 September 1997 as United States Application Number [redacted] or PCT International Application Number PCT/CH93/00369 and was amended on 04/02/1998 (if applicable).

3. I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.
4. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.
5. I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number	: 2127/97
Country	: Switzerland
Foreign Filing Date (MM/DD/YYYY)	: 10 September 1997
Priority Claimed	: Yes
Certified Copy Attached	: No

6. I hereby claim the benefit under 35 U.S.C. 119(a) of any United States provisional application(s) listed below.

Application Number	:
Filing Date (MM/DD/YYYY)	:

7. I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(d) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35

U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Number :
 Parent Filing Date (MM/DD/YYYY) :
 Parent Patent Number (if applicable) :

POWER OF ATTORNEY

8. As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Carl Oppedahl	Registration No. 32,746
Maxine T. Larson	Registration No. 32,038
Nancy J. Parsons	Registration No. 40,364

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Customer Number:

021121

NAME OF SOLE OR FIRST INVENTOR

11. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

// A petition has been filed for this unsigned inventor.

Given Name (first and middle [if any])	:	Kurt
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Kurt Tiefenthaler

K. Tiefenthaler
 (Inventor's Signature)

Date *6/6/2000*

FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

Patent fees are subject to annual revisions on or about October 1st of each year.

Small Entity

Small Business Concern

TOTAL FEES AUTHORIZED: \$ 904

BANK (CREDIT) CARD INFORMATION:

Credit Card Number: 3008
Expiration Date: 20040731
Authorized Name: Carl Oppedahl
Billing Address: 80435

BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	201	\$ 370

Subtotal For Basic Filing Fee: \$ 370

EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 70	203	\$ 9	50	\$ 450
Independent Claims: 5	202	\$ 42	2	\$ 84

Subtotal For Extra Claims Fees: \$ 534